

Chem Floor PU®



Description

Chem Floor PU® is a solvent-based polyurethane flooring system specially designed to with stand good degree of impact and abrasion resistance and indoor and outdoor.

Advantages

- Good resistance to a wide range of industries.
- Impervious finish which is easily cleaned.
- Durable.
- Easy to use and can be applied by brush or roller.
- Available in a wide range of colors.
- Fast application.
- Very long-life span.
- Reduces maintenance costs.
- Excellent resistance to mechanical wears.
- Form a tough- elastic coat.
- UV resistant.

USES

Chem Floor PU® is ideal to be used for:

- Wherever UV resistance is required.
- Underground protection in foundations etc.
- UV resistant coat for epoxy coatings in external areas.

Technical Properties

| | |
|---------------------|--------------------------------------|
| Volume of solids | ≤ 70 % ± 1% by weight |
| Density | 1.30 ± 0.05 kg/Liter at 25°C |
| Phase | liquid |
| Colour | Clear Or upon the MCC Standard Color |
| Pot life | 4 hours |
| Full cure | 7 days |
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| Working temperature | From 10 to 35 C |

Standards Compliance

- manufacture internal standard.

Coverage

It covers approx. 8 m2/kg at 40-50 microns/coat depending on the substrate.

Recommended two coats = 80-100 Micron D.F.T (Theoretical thickness)

Packaging

Chem Floor PU® is supplied in 4 Kg packs (0.748 Kg/ Hardener – 3.252 Kg / base).

Chem Floor PU® (colored) is supplied in 20 Kg packs (3.740 Kg/ Hardener – 16.26 Kg / base).

Chem Floor PU[®]



Application Instructions

Preparation:

- All surfaces should be clean, dry and free from contamination.
- Porous concrete should be prepared and primed with approved Primer.

Mixing:

It can be used without any primer coat for floor preparation

- in case the application needs a primer coat, the approved Primer should be used
- Stir approved Primer cans of base and hardener separately.
- Mix approved Primer by adding the hardener to the base and then mix them by mechanical mixer with speed (300 – 400 rpm) for 2– 4 min until you get homogeneous form.
- Apply the mixture to the surface by a good quality brushes or a short pile rollers.
- Stir **Chem Floor PU[®]** cans of base and hardener separately.
- Mix **Chem Floor PU[®]** by adding the hardener to the base and then mix them by mechanical mixer with speed (300 – 400 rpm) for 2– 4 min until you get homogeneous form.

Application:

- Install the first coat of Chem floor PU after the approved waiting time using the same mixing procedure and by a good quality brushes or a short pile rollers or airless spraying.
- The second coat should be applied after the approved waiting time.

Waiting time for the primer coat before applying Chem PU floor:

| Temperature | Minimum | Maximum |
|-------------|----------|----------|
| 10°C | 24 hours | 72 hours |
| 20°C | 12 hours | 48 hours |
| 30°C | 8 hours | 24 hours |

Waiting time for each coat of Chem floor PU :

| Temperature | Minimum | Maximum |
|-------------|----------|----------|
| 10°C | 30 hours | 72 hours |
| 20°C | 24 hours | 48 hours |
| 30°C | 16 hours | 24 hours |

Note:

- The surface moisture content should not exceed 4%.
- In the case of smooth surfaces, pores should be lightened using sandpaper or sand blast.

Chem Floor PU®



Health & safety

- **Chem Floor PU®** is flammable or health hazard material.
- Spillages should be washed down immediately with cold water.
- PPE in accordance with the health and safety rules should be used during the materials application.
- For irritant effects of the non-cured material, avoid contact with skin and eyes during storage and application.
- If the contamination occurs, wash the contaminated part by soap and plenty of water. Urgently contact to nearest hospital.
- Food and drink should be kept outside the application areas and should be kept in closed area
- Residues of material must be removed according to local regulations.
- Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.

Technical support

For any technical support, please contact ichem technical office or representatives

